

Application No. 09/686,621
Amendment In response to June 25, 2004, Action

Attorney's Docket No. 0119-008

LISTING OF CLAIMS

Upon entry of this Amendment, this Listing of Claims replaces all prior versions and listings of the claims in this application.

1. (currently amended) A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:
monitoring a temperature which can be felt by a user of the transceiver and thereby has a direct effect on the comfort of a the user of the transceiver; and
controlling a number of time slots allocated for transmissions from said transceiver in response to the monitored temperature.

2. (currently amended) A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:
monitoring a temperature which can be felt by a user of the transceiver and thereby has a direct effect on the comfort of a the user of the transceiver; and
controlling a number of time slots allocated for receiving transmissions in said transmitter in response to the monitored temperature.

3. (previously presented) A method as claimed in claim 1, wherein the transceiver forms part of a mobile communications device, and the temperature is a temperature of a casing of the device.

4. (previously presented) A method as claimed in claim 1, wherein the transceiver forms part of a mobile communications device, and the temperature is a temperature of a display of the device.

5. (previously presented) A method as claimed in claim 1, wherein the transceiver forms part of a mobile battery-powered communications device, and the temperature is a temperature of the battery of the device.

6. (previously presented) A method as claimed in claim 1, wherein the number of allocated slots is controlled by sending a message to the radiocommunication system.

7. (currently amended) A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

Application No. 09/686,621
Amendment in response to June 25, 2004, Action

Attorney's Docket No. 0119-008

a temperature sensor for monitoring a temperature which can be felt by a user of the device and thereby has a direct effect on the comfort of a the user of the device; and

a controller for controlling a number of time slots allocated for transmissions from said transceiver in response to the monitored temperature.

8. (currently amended) A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

a temperature sensor for monitoring a temperature which can be felt by a user of the device and thereby has a direct effect on the comfort of a the user of the device; and

a controller for controlling a number of time slots allocated for receiving transmissions in said transceiver in response to the monitored temperature.

9. (currently amended) A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:

monitoring a temperature within the transceiver;

controlling the internal operation of the transceiver in response to the measured temperature; and

also controlling a number of time slots allocated for transmissions from said transceiver in response to the same monitored temperature.

10. (currently amended) A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:

monitoring a temperature within the transceiver;

controlling the internal operation of the transceiver in response to the measured temperature; and

also controlling a number of time slots allocated for receiving transmissions in said transceiver in response to the same monitored temperature.

11. (previously presented) A method as claimed in claim 9, wherein the transceiver forms part of a mobile communications device, and the temperature is a temperature of a crystal oscillator within the device, and is used to compensate for variations in the performance thereof.

Application No. 09/686,621

Attorney's Docket No. 0119-008

Amendment in response to June 25, 2004, Action

12. (previously presented) A method as claimed in claim 9, wherein the transceiver forms part of a mobile communications device, and the temperature is a temperature of a display of the device, and is used to control said display.

13. (currently amended) A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

a single temperature sensor for monitoring a temperature within the device; and
at least one controller for controlling the internal operation of the device and a number of time slots allocated for transmissions from said transceiver in response to the same monitored temperature.

14. (currently amended) A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

a single temperature sensor for monitoring a temperature within the device; and
at least one controller for controlling the internal operation of the device and a number of time slots allocated for receiving transmissions in said transceiver in response to the same monitored temperature.

15. (currently amended) A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:

monitoring a battery capacity of the transceiver; and
controlling a number of time slots allocated for transmissions from said transceiver in response to the monitored battery capacity.

16. (currently amended) A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:

monitoring a battery capacity of the transceiver; and
controlling a number of time slots allocated for receiving transmissions in said transceiver in response to the monitored battery capacity.

17. (previously presented) A method as claimed in claim 15, wherein the battery capacity is measured directly.

Application No. 09/686,621

Attorney's Docket No. 0119-008

Amendment in response to June 25, 2004, Action

18. (previously presented) A method as claimed in claim 15, wherein the battery capacity is estimated indirectly.

19. (original) A method as claimed in claim 18, wherein the battery capacity is estimated on the basis of a measure of past use.

20. (original) A method as claimed in claim 18, wherein the battery capacity is estimated on the basis of a measured temperature thereof.

21. (original) A method as claimed in claim 19, wherein the measure of past use is the number of time slots in which the transceiver has transmitted data.

22. (original) A method as claimed in claim 19, wherein the measure of past use is the past current consumption of at least a part of the transceiver.

23. (currently amended) A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

means for determining a battery capacity of the device; and

at least one controller for controlling a number of time slots allocated for transmissions from said transceiver in response to the determined battery capacity.

24. (currently amended) A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

means for determining a battery capacity of the device; and

at least one controller for controlling a number of time slots allocated for receiving transmissions in said transceiver in response to the determined battery capacity.

25. (currently amended) A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:

controlling a number of time slots allocated for transmissions from said transceiver based on a mode of operation of said transceiver.

26. (currently amended) A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:

controlling a number of time slots allocated for receiving transmissions in said transceiver based on a mode of operation of said transceiver.

Application No. 09/686,621

Attorney's Docket No. 0119-008

Amendment in response to June 25, 2004, Action

27. (previously presented) A method as claimed in claim 25, wherein an upper limit is placed on the number of slots allocated for said transmissions when the transceiver is operating with a loudspeaker.

28. (previously presented) A method as claimed in claim 25, wherein an upper limit is placed on the number of slots allocated for said transmissions when the transceiver is operating in a radio frequency simplex system.

29. (previously presented) A method as claimed in claim 25, comprising detecting a mode of operation of said transceiver by means of a proximity switch located on said transceiver.

30. (original) A method as claimed in claim 29, wherein said proximity switch detects whether said transceiver is operating in handheld or handsfree mode.

31. (previously presented) A method as claimed in claim 25, wherein an upper limit is placed on the number of slots allocated for said transmissions when the transceiver is transmitting at high power.